

Solar LED Home Light



Benefits:

- Mimics traditional grid-based lighting by providing electricity.
- No smoke due to burning of kerosene – LEDs emit clean and efficient light
- Install and Forget
- Easy installation and setup
- NO setup fee, minimal running costs

Solar Home Lighting Systems (SHLS) are solar-based electricity-generating technologies designed to meet the power needs of individual households. Although they are used principally to supply power for lighting, SHLS can also provide power for other household needs, charging mobile phones.



Runs on Solar Energy | **LED Lights** | **Easy Installation** | **Environment-friendly** | **Low Maintenance**

What Constitutes a Solar Home Lighting System(SHLS)?

Typically a SHLS consists of a Solar Panel, Control Box, Battery, LED Lights, Fans and other DC loads (lantern/mobile charging)

Subsidy and Loan

The Government gives a subsidy of up to 40% on the system benchmark cost providing a very healthy benefit for the customers to invest. (Subsidy and loans can be claimed by eligible customers by applying to the any banks authorized by NABARD)

Solar Home Light



Solar Panel

Solar Panel is the power source of the system, has a very long life and comes with a standard warranty of 10-15 years.

Control Box

The control box consists of charge controller and with various inputs and outputs. The charge controller receives the solar energy from the solar panel and regulates the charging of the battery. Optimum and efficient battery charging is critical for prolonging the life of the battery. The control box has input from the solar panel, connections to the battery, output sockets for lights, fans, mobile chargers etc.



Battery

Battery is the life of the system. Tubular batteries have a long life and are warranted for 5 years. These are ideal for use in homes.

LED Lights

MIC offers the best in class LED tube lights and bulbs. LED lights are environmentally friendly and also consume less power yet giving the same amount of light. No replacement of lights is needed as LED lights work flawlessly for 10-15 years. LED Tube lights (9W) give a very high light output of 550lumens.



Other Loads

In low end SHL systems the load is typically 1 or 2 LED Lights with LED Lantern and in higher systems 4 LED Tube Lights/Bulbs, Lantern, Angel Light, 4 Mobile Chargers, Fans, TV etc.

Inverter and Accessories

Inverter is provided in high end systems where is there provision of powering AC loads like TV, Refrigerator, Ceiling Fans, Tube Lights etc. High quality wiring is provided with our systems and the lengths have been provided after careful consideration of rural conditions.



<p>Mechanical: Weight: 20Kg Operating Temperature: 0°C to +45°C Storage Temp.: -10°C to +45°C Humidity: 10~90%</p> <p>Autonomy: Avg. 4hrs/day for 2 days</p> <p>Warranty: System (Control Box/LED Tubelights/ LED Lantern/Angel: 5 Years Limited Solar Panel: 10-15 Years Limited Tubular Lead Acid Battery: 5 Years Accessories and other: 1 Year Limited</p>	<p>MODEL NO: SHLS-01</p> <p>Contents: Solar Panel 12V, 75Wp with 5m cable – 1 No. Battery 12V, 40Ah Tubular Lead Acid – 1 No. Control Box with Solar Charge Controller – 1 No. DC LED Tube Lights with 5/7.5/10m wiring – 3 Nos. DC Fan with 5m cable – 1 No. LED Lantern with 2m cable – 1 No. Angel LED Light with 2m cable – 1 No. Mobile Charging Cable – 1 No.</p>
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*Due to continuous improvements, technical specifications are subject to change without prior notice.